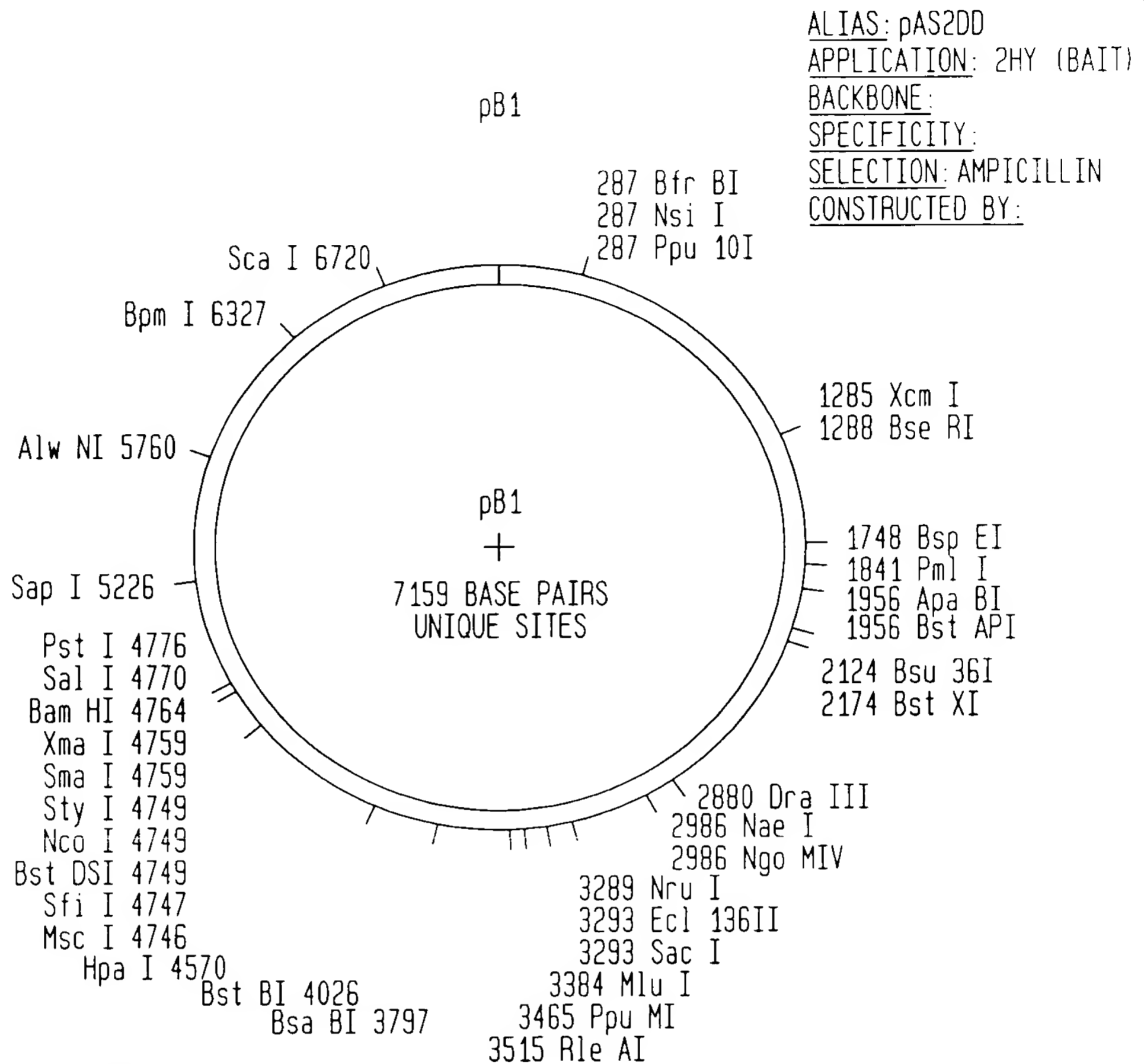




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FIG. 1



Oligo 160

gagagtagtaacaaaggtc

AAAGACAGTTGACTGTATCGCCG

GAA TTT AT

Sfi I

Sma I

BamH I

Sal I

Pst I

G GCC ATG GAG GCC CCG GGG ATC CGT CGA CCT GCA GCC

Nco I

Oligo 161

AAG GTA ATT

ccgggcgaatttcttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'

Oligo 161 5' CATAAGAAATTCGCCCCG 3'

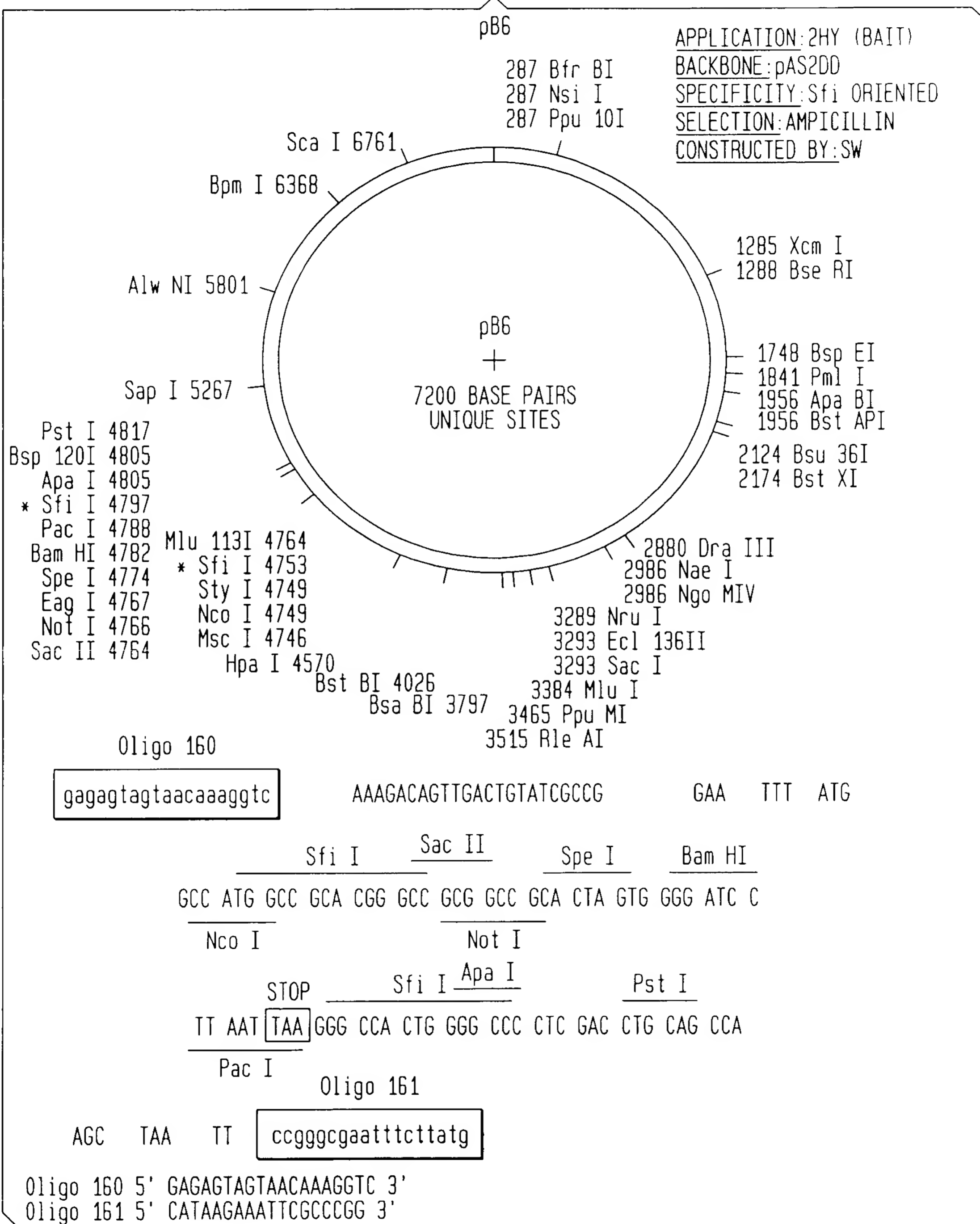
Oligo 161 5' CATAAGAAATTCGCCCGG 3'

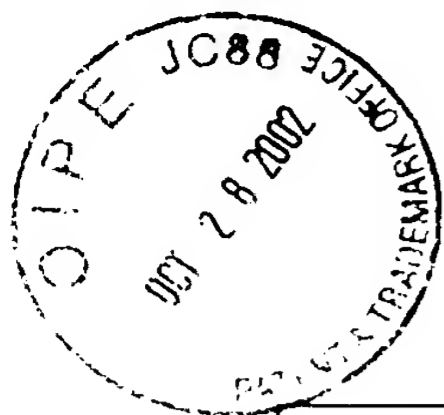
7 3384 Mlu I
3465 Ppu MI
3515 Rle AI



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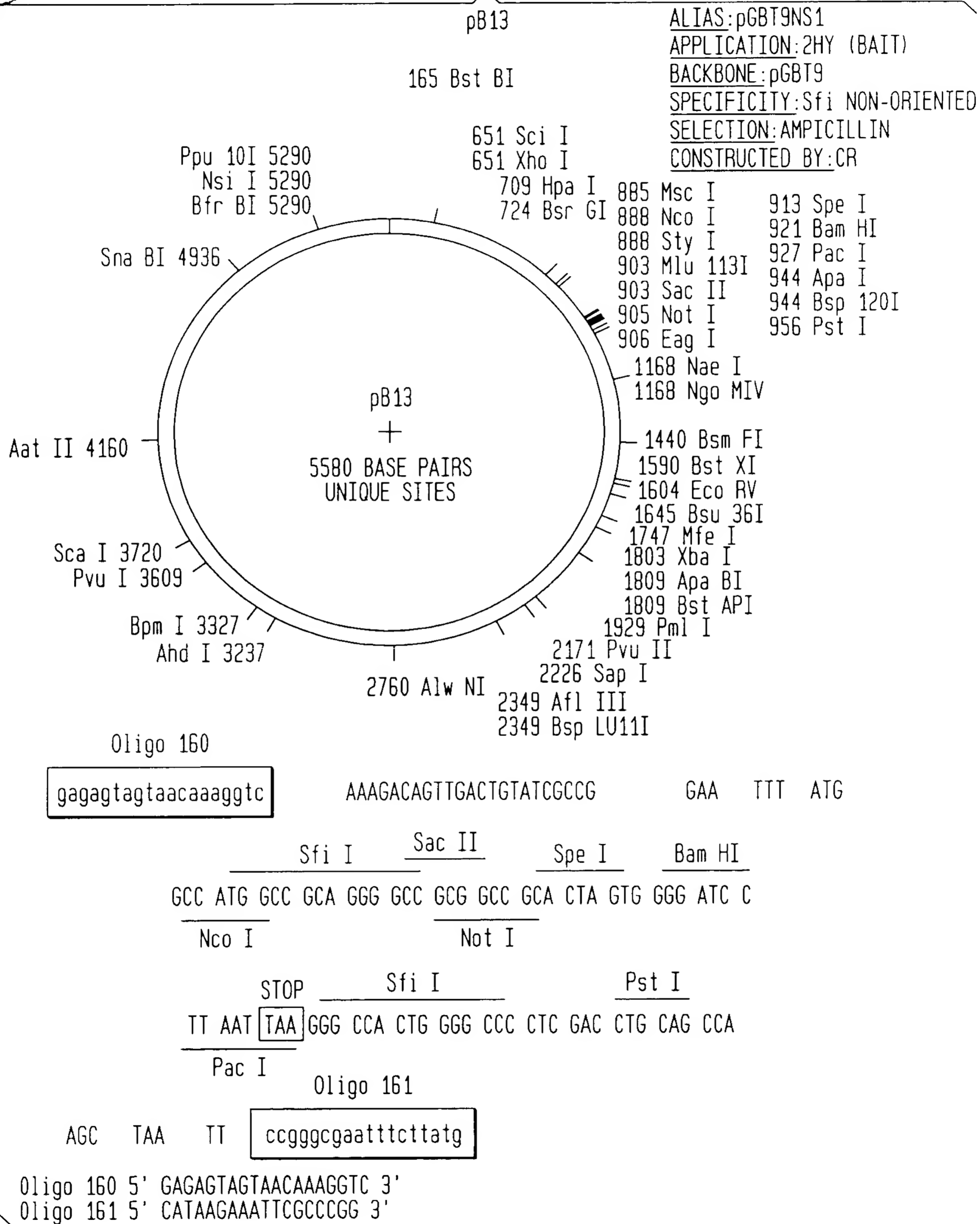
FIG. 3





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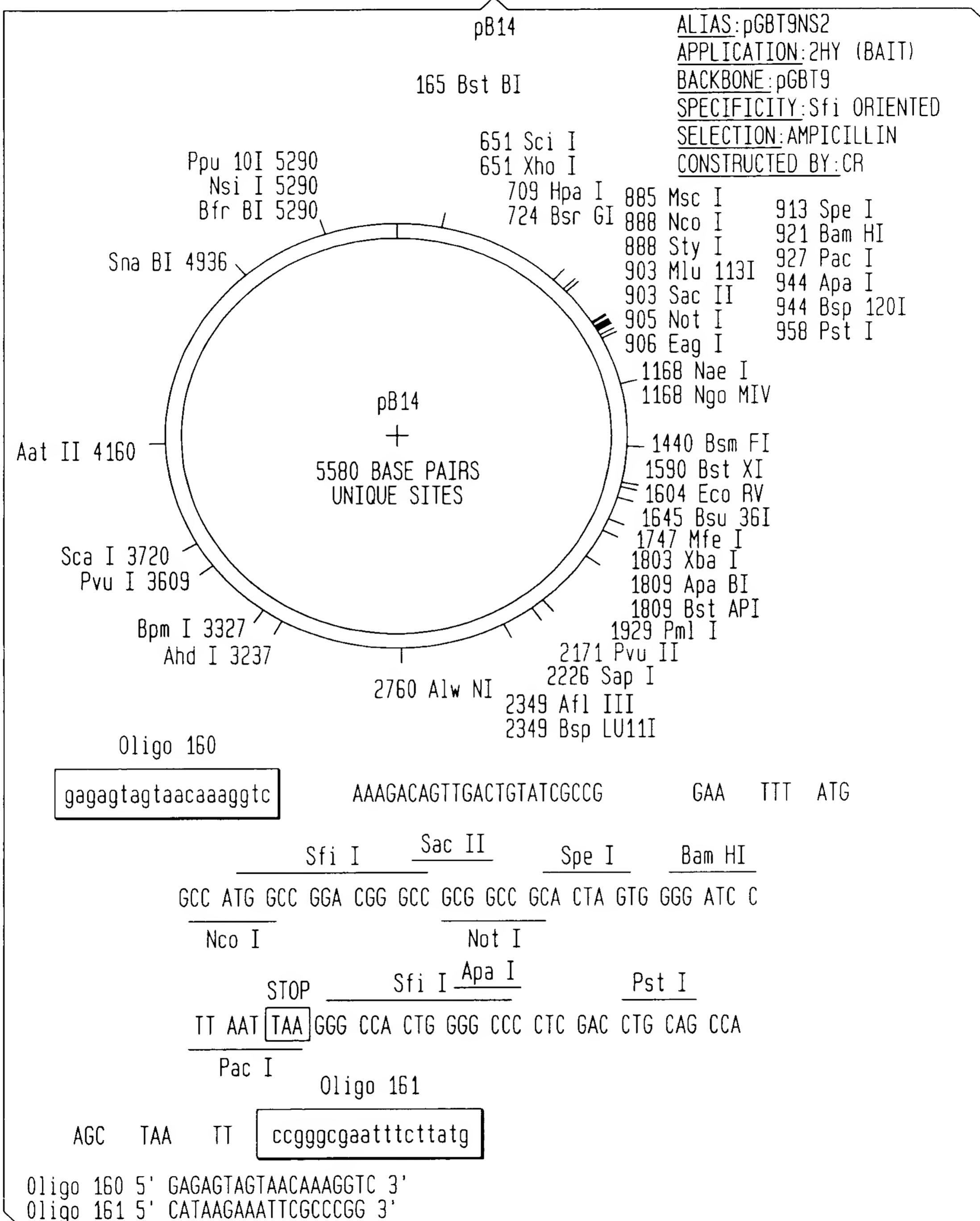
FIG. 4

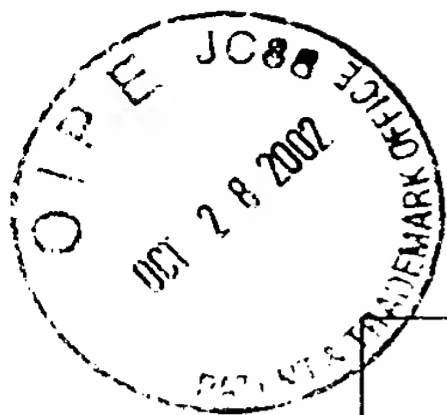




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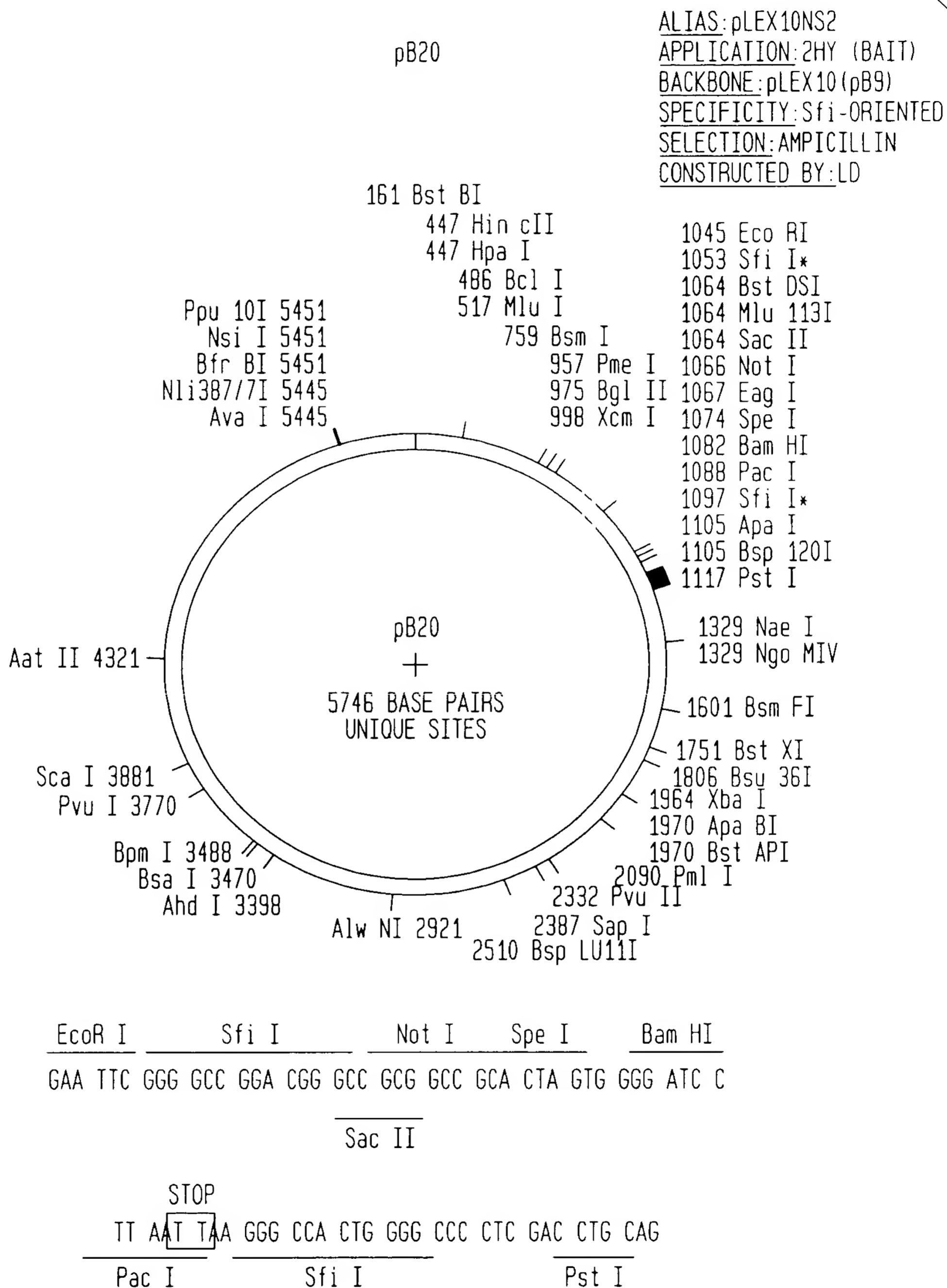
FIG. 5

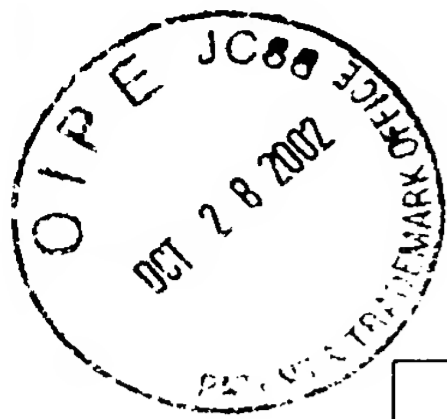




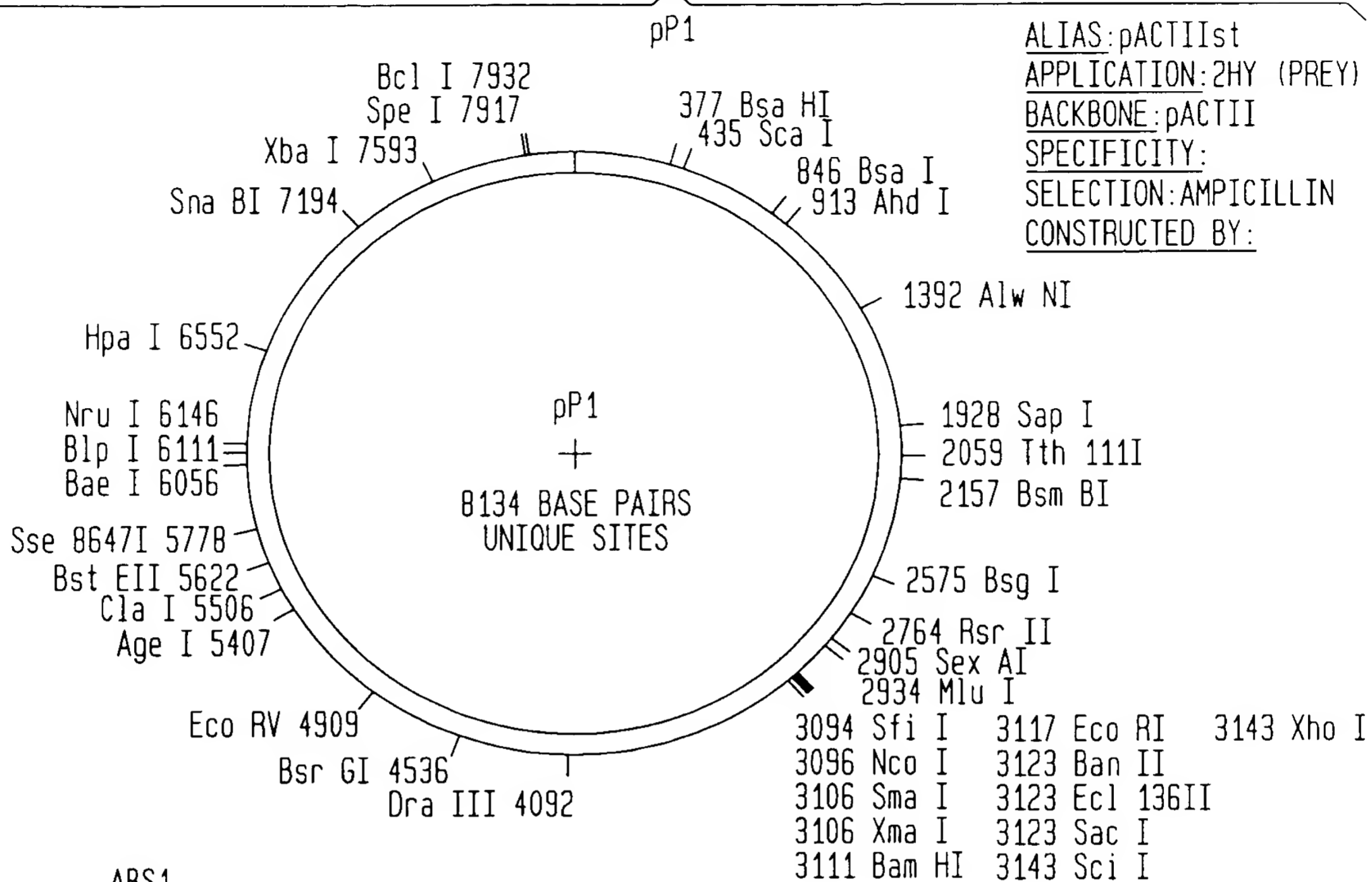
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FIG. 6





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FIG. 7



ABS1
cgtttgaatcactacagg GATGTTTAATACCACTACAATGGATGATGTATATACTATCTATT

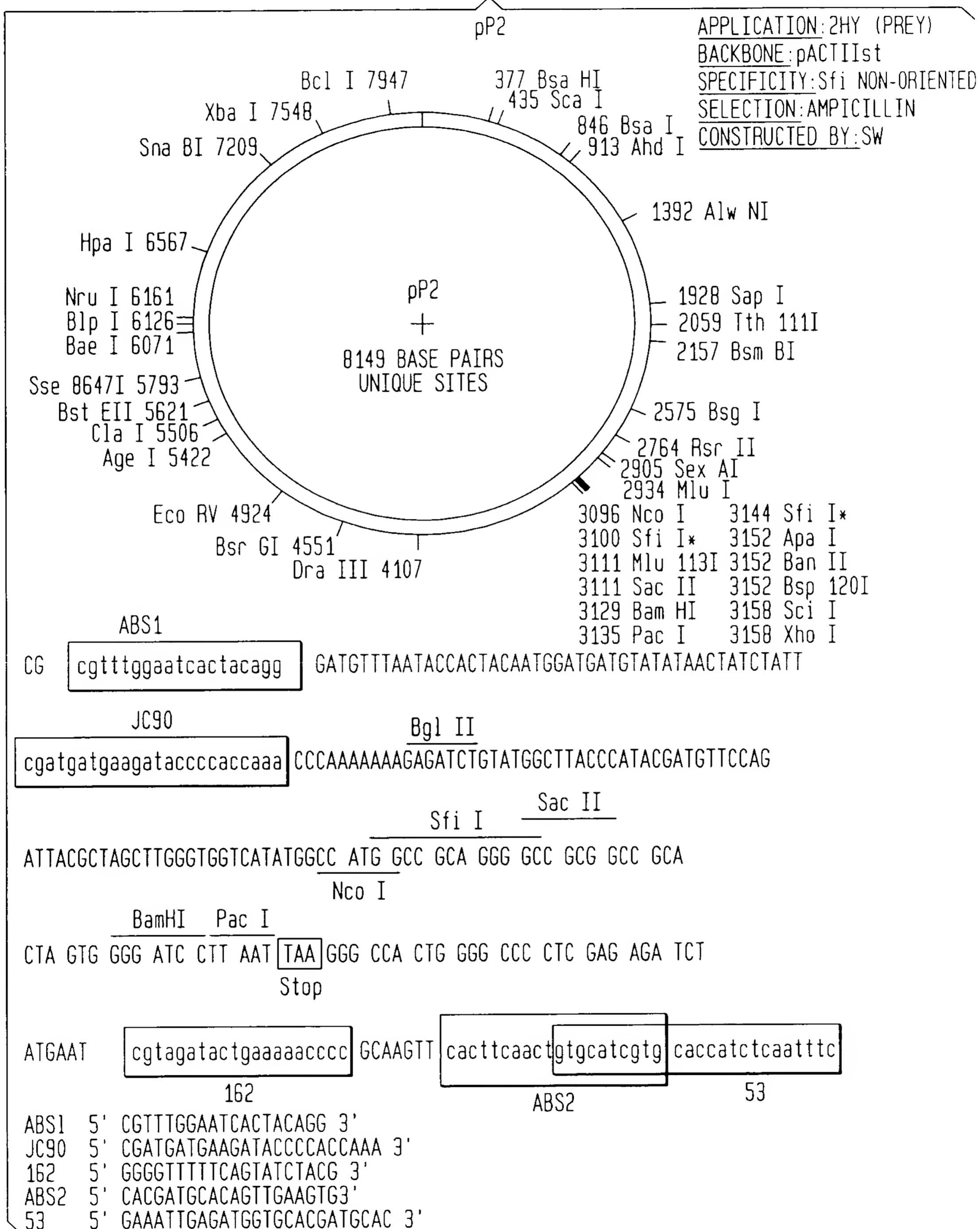
JC90
cgatgatgaagataccccacccaaa CCCAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GAG GCC CCG GGG ATC CGA ATT
CGA GCT CGA CTA GCT AGC TGA CTC GAG AGA TCT ATGAAT

cgtagatactgaaaaacccc GCAAGTT cacttcaactgtgcatcgtg caccatctcaatttc

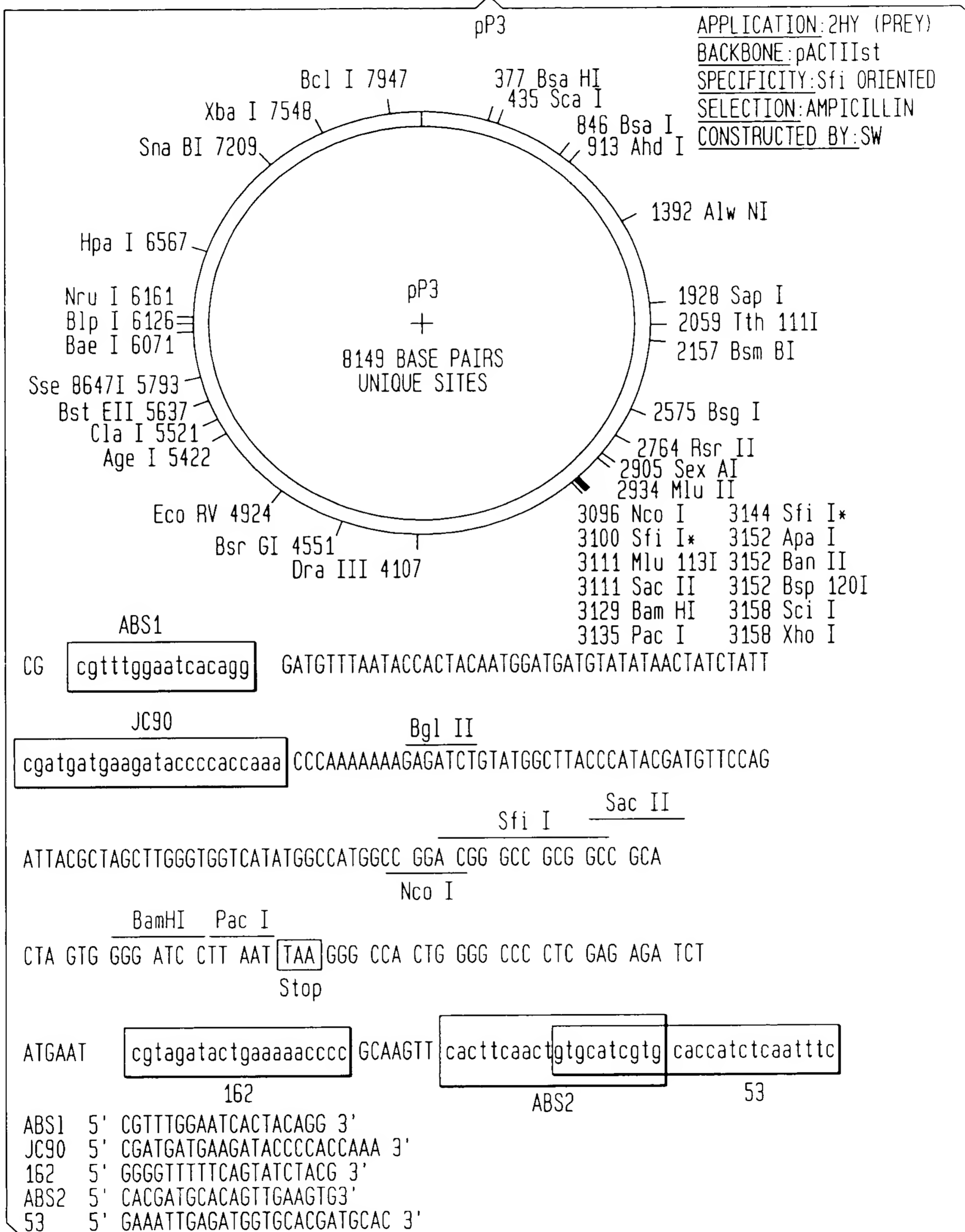
162
ABS1 5' CGTTTGAATCACTACAGG 3'
JC90 5' CGATGATGAAGATACCCACCAAA 3'
162 5' GGGGTTTTTCAGTATCTACG 3'
ABS2 5' CACGATGCACAGTTGAAGTG3'
53 5' GAAATTGAGATGGTGCACGATGCAC 3'

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FIG. 8



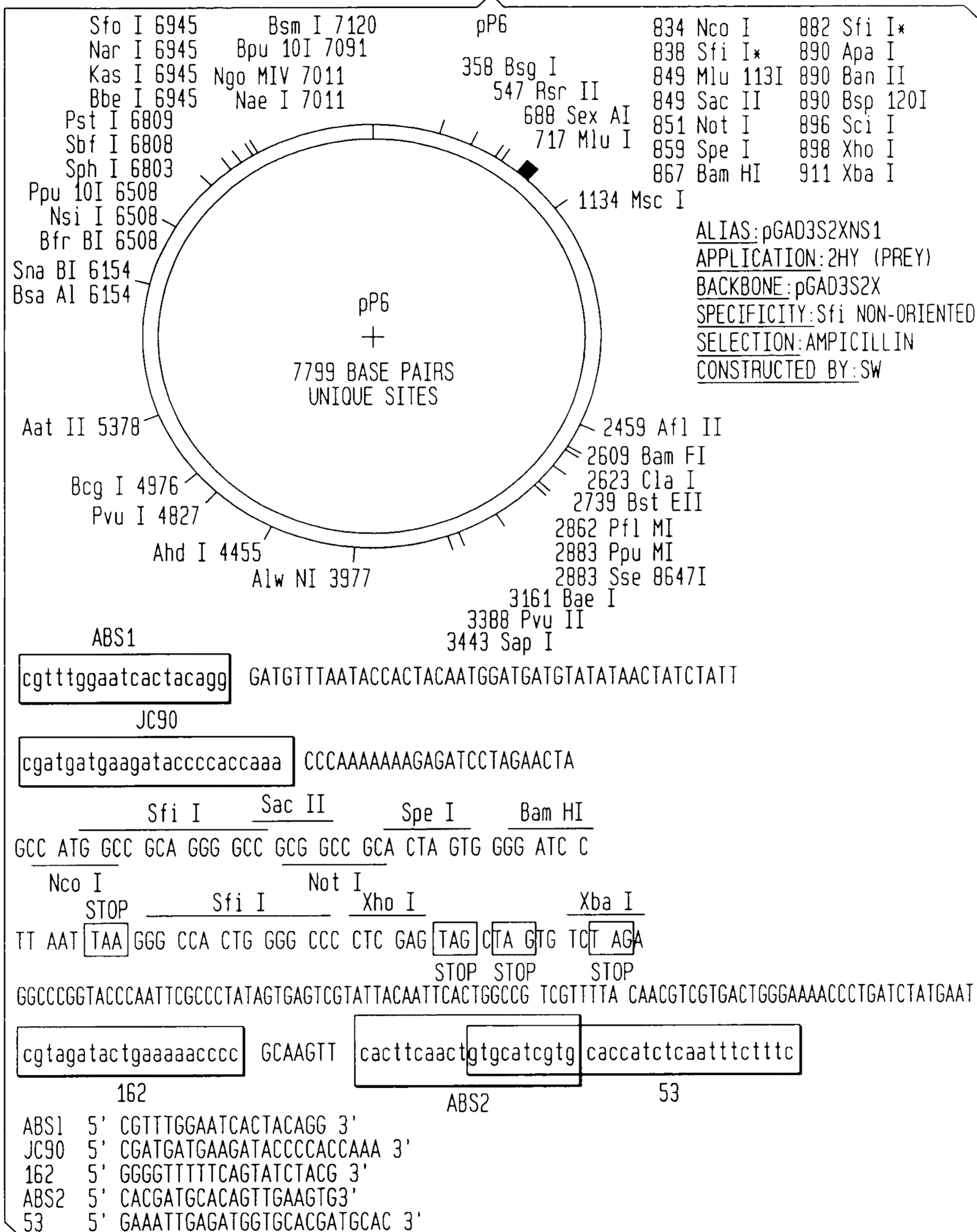


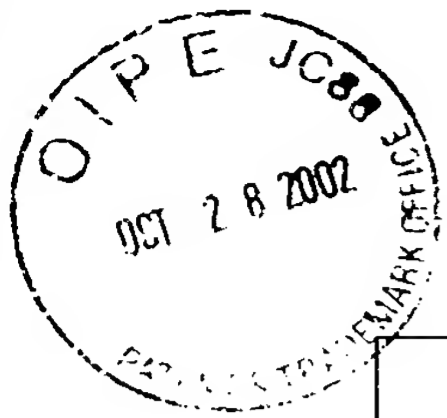
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FIG. 9





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FIG. 10





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FIG. 11

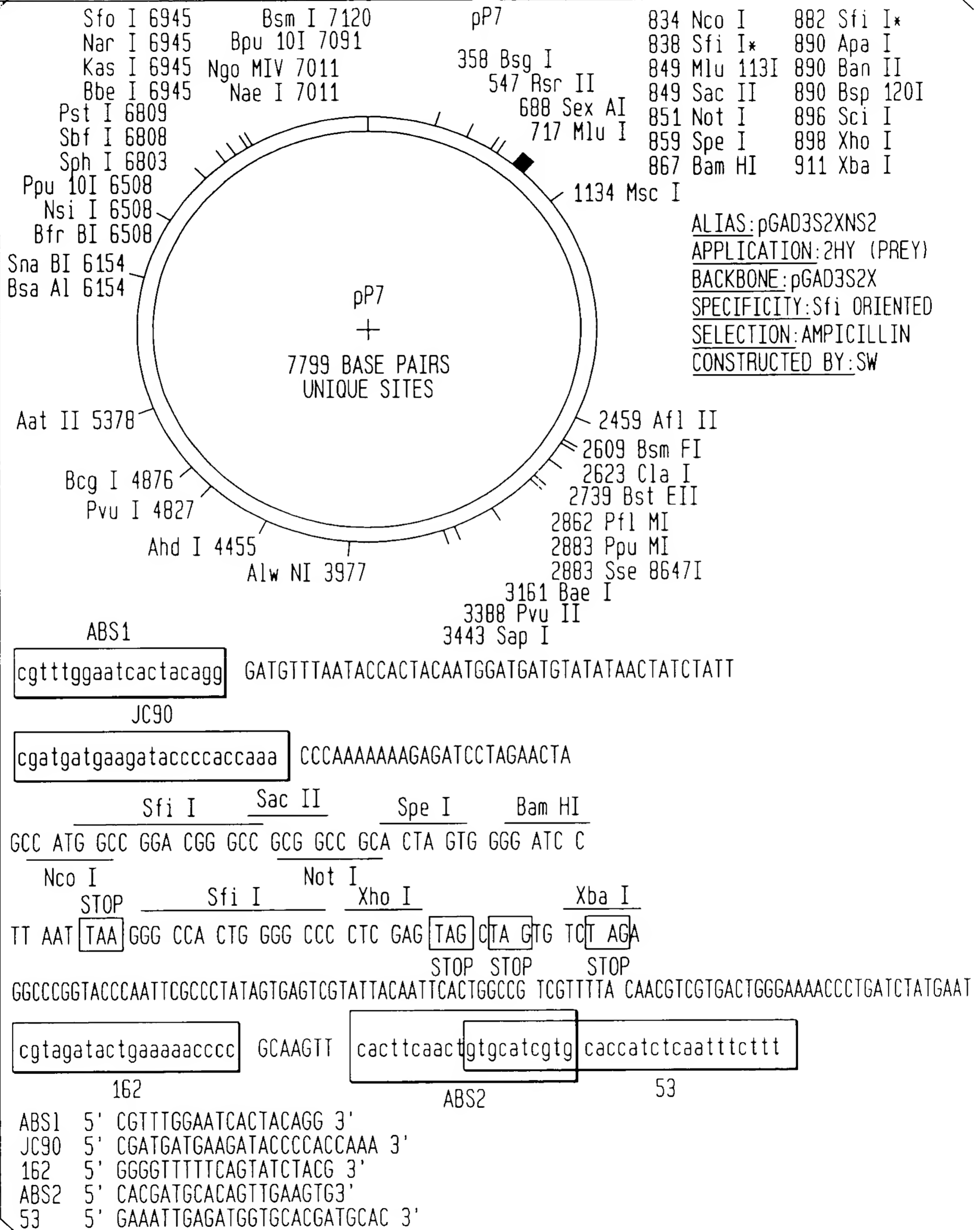
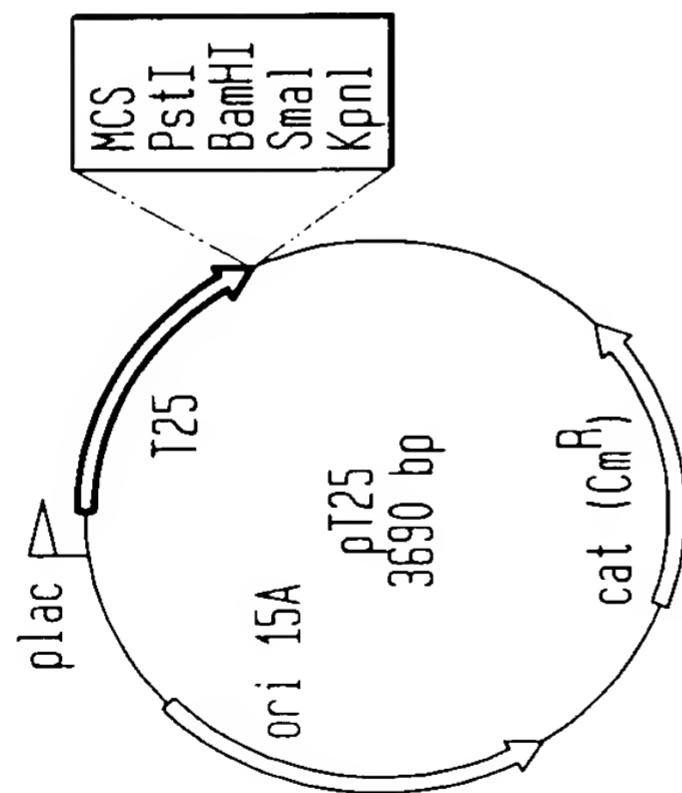
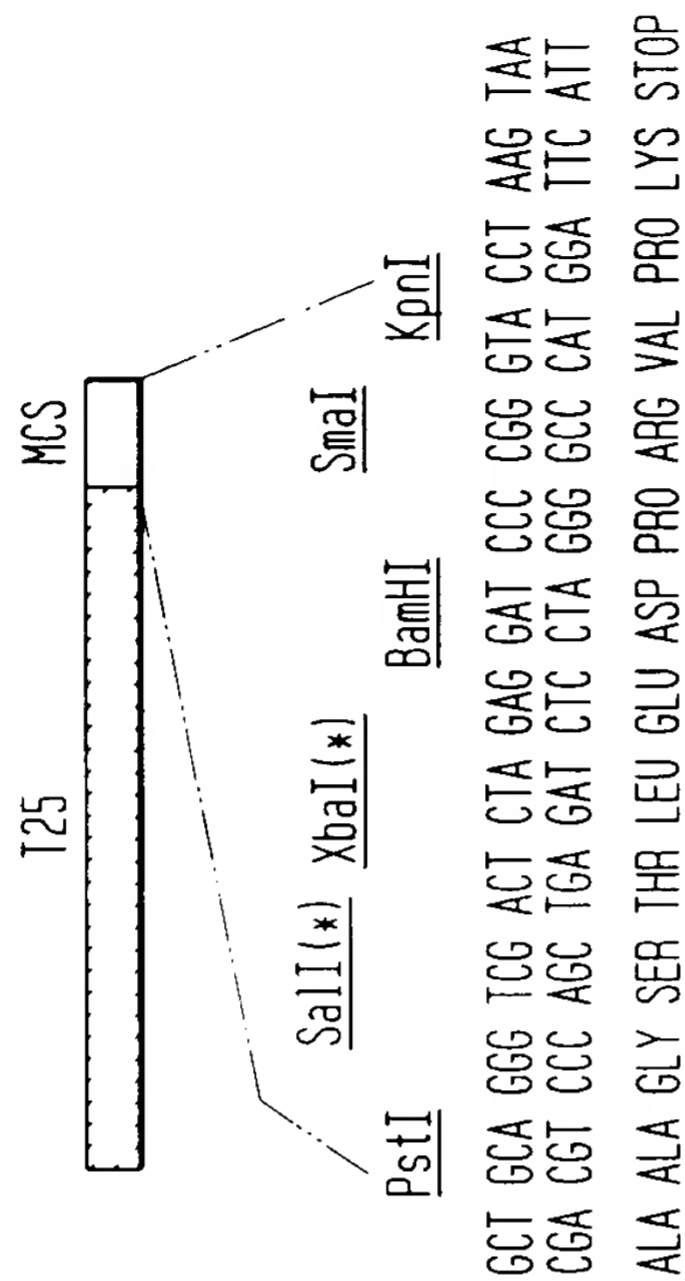


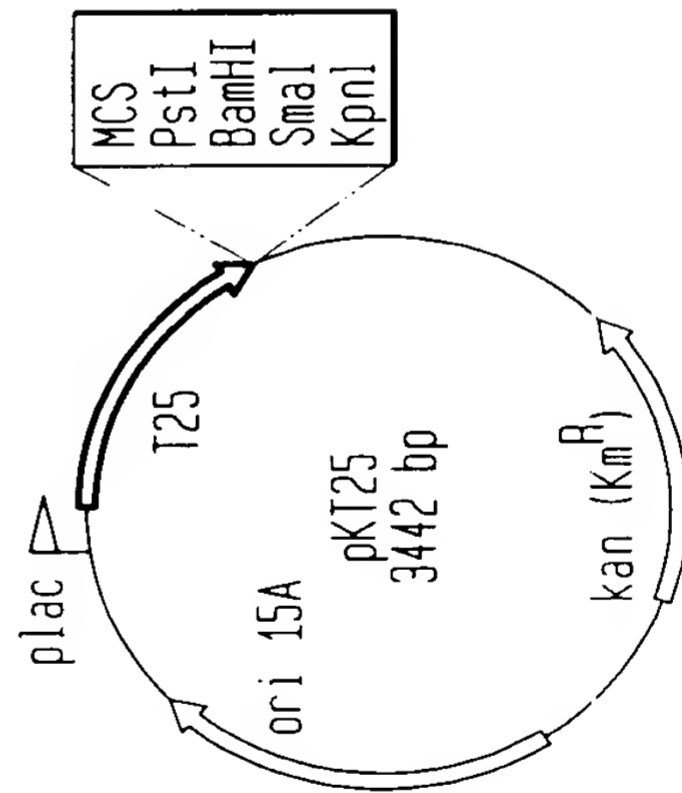
FIG. 12



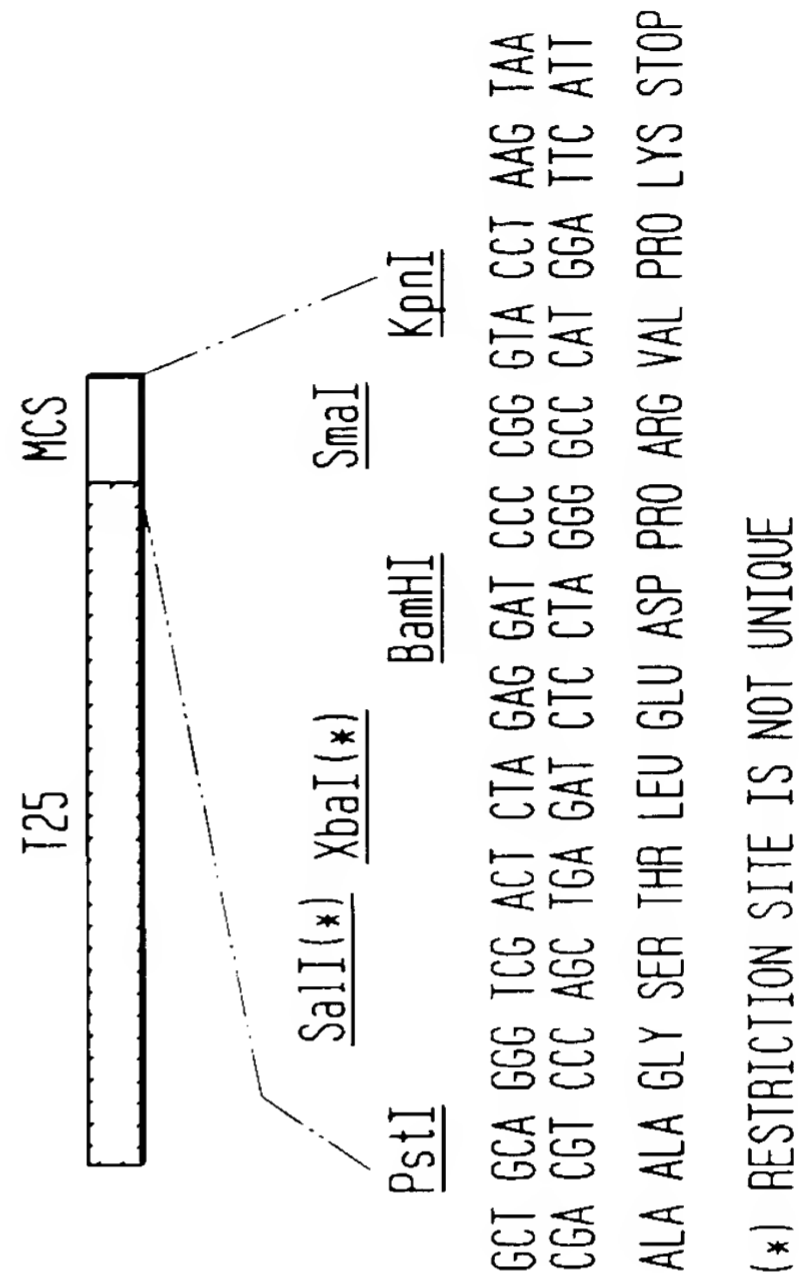
DERIVATIVE OF pACYC184



(*) RESTRICTION SITES ARE NOT UNIQUE

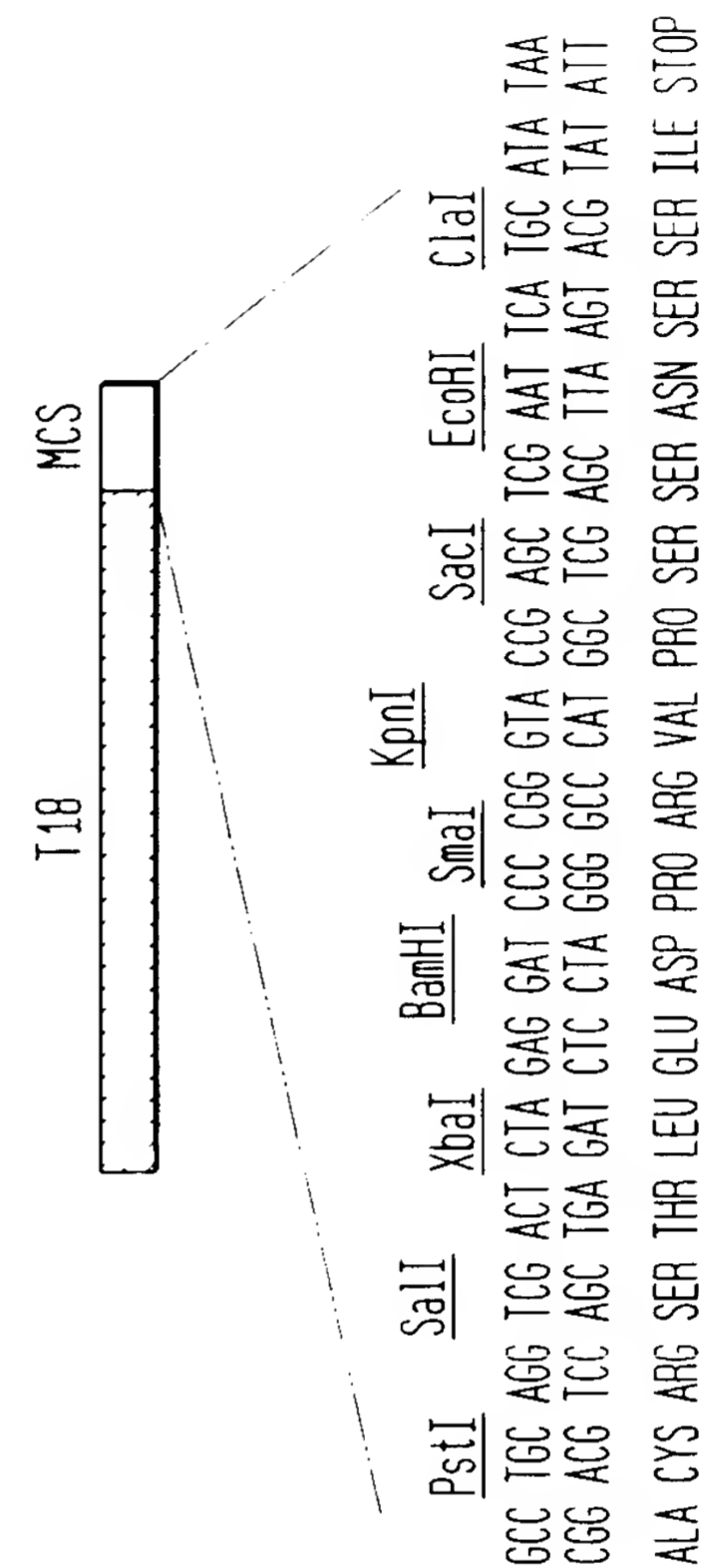


DERIVATIVE OF pSU40



(*) RESTRICTION SITE IS NOT UNIQUE

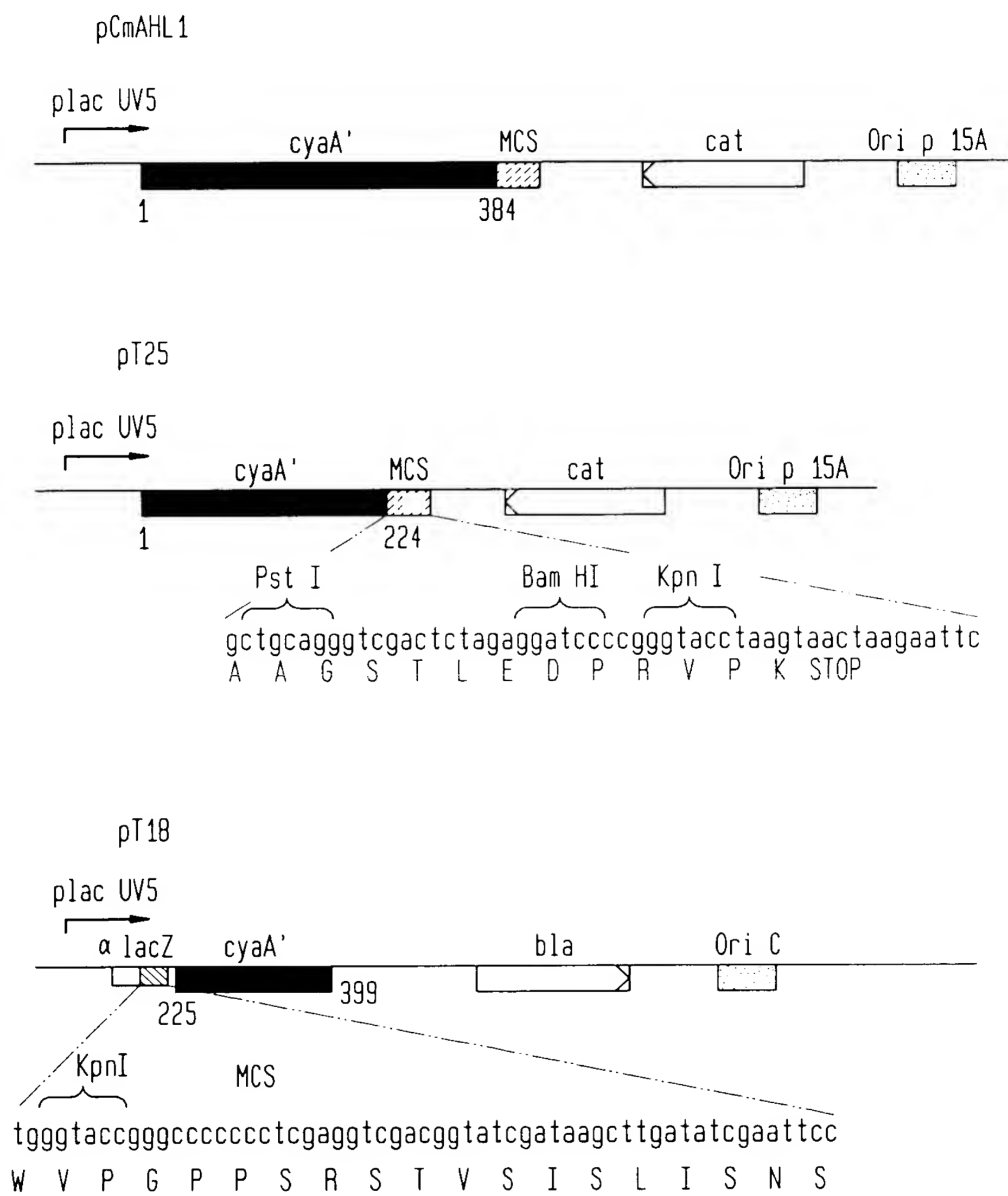
FIG. 13





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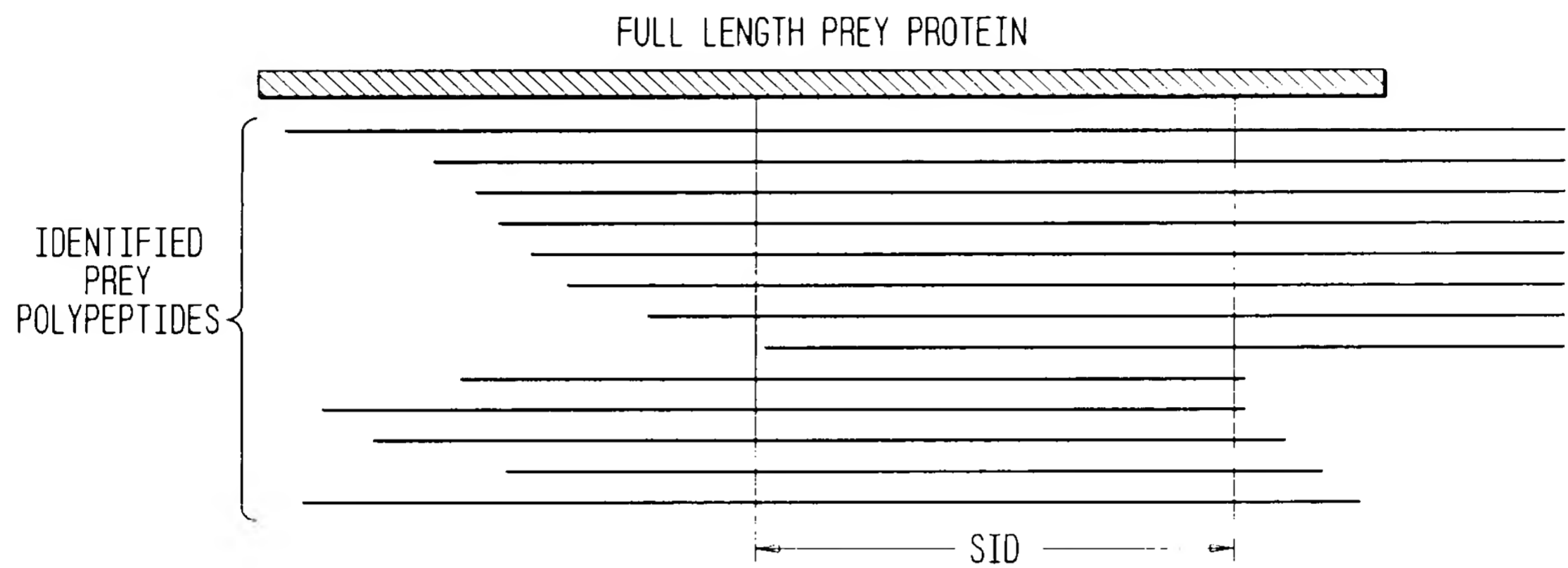
FIG. 14





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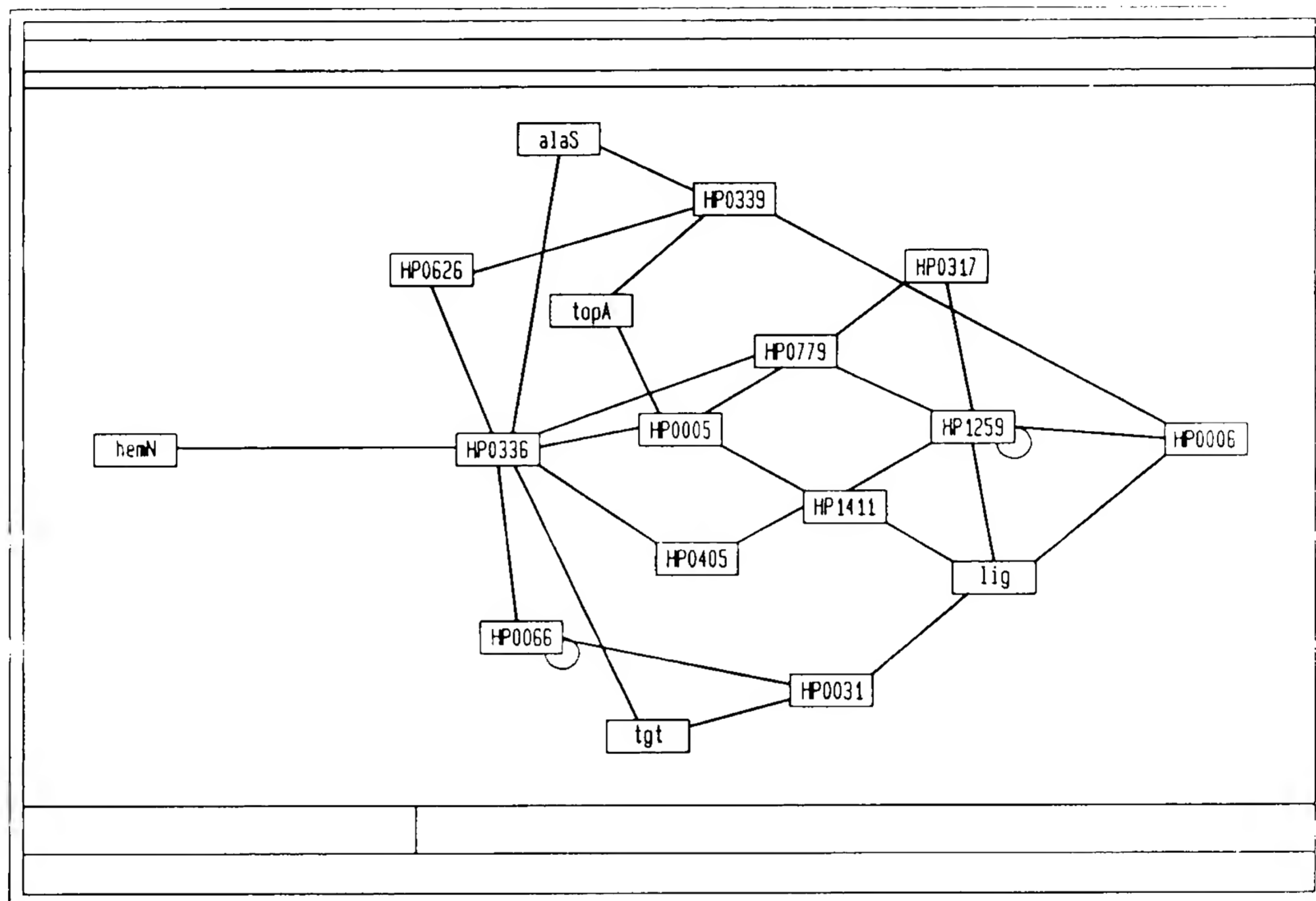
FIG. 15





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FIG. 16

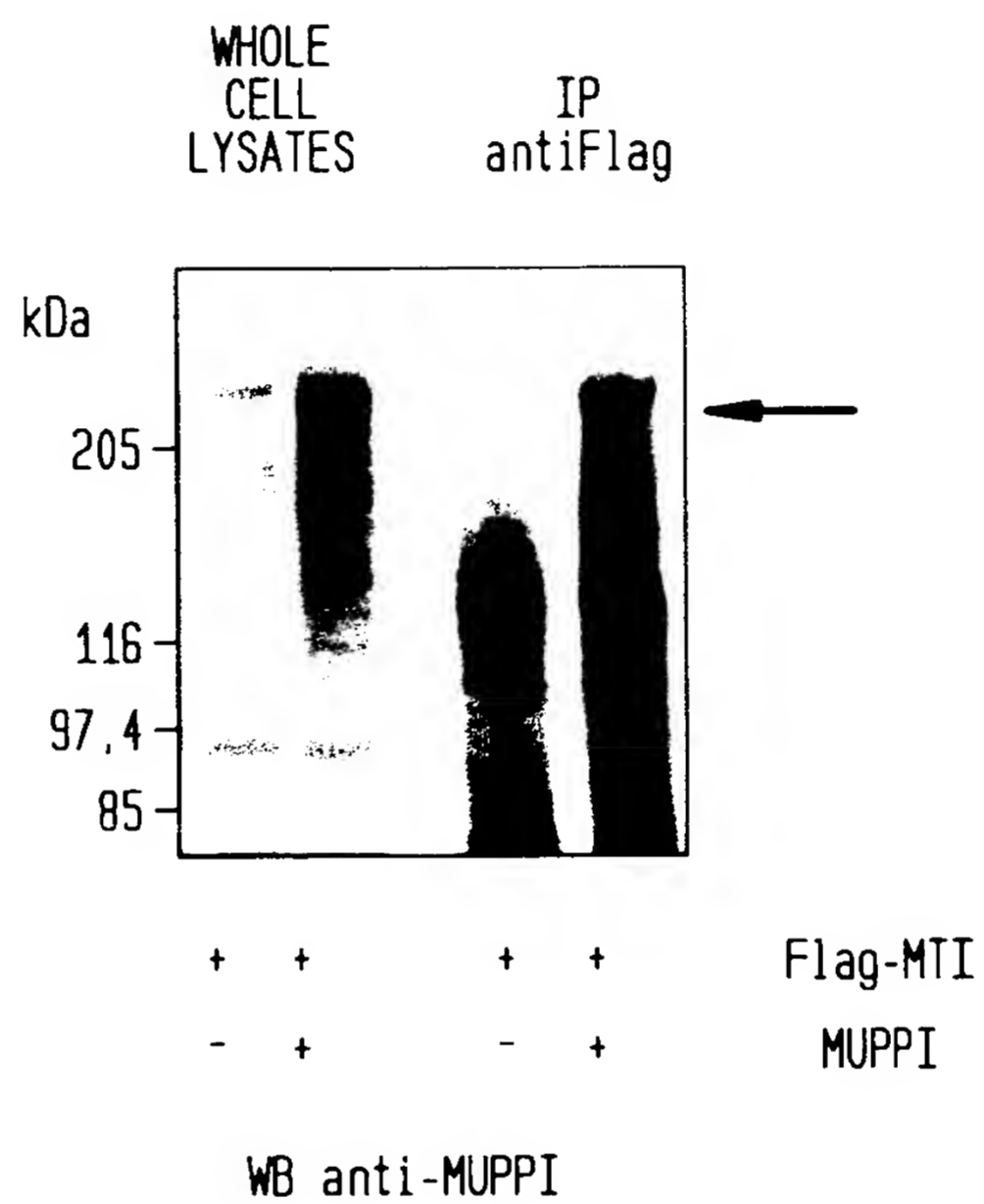


EXAMPLE OF PROTEIN INTERACTION MAP



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FIG. 17





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FIG. 18A

EFFECT OF MUPP1 OVER-EXPRESSION ON THE OLIGOMERIZATION OF MELATONIN RECEPTORS

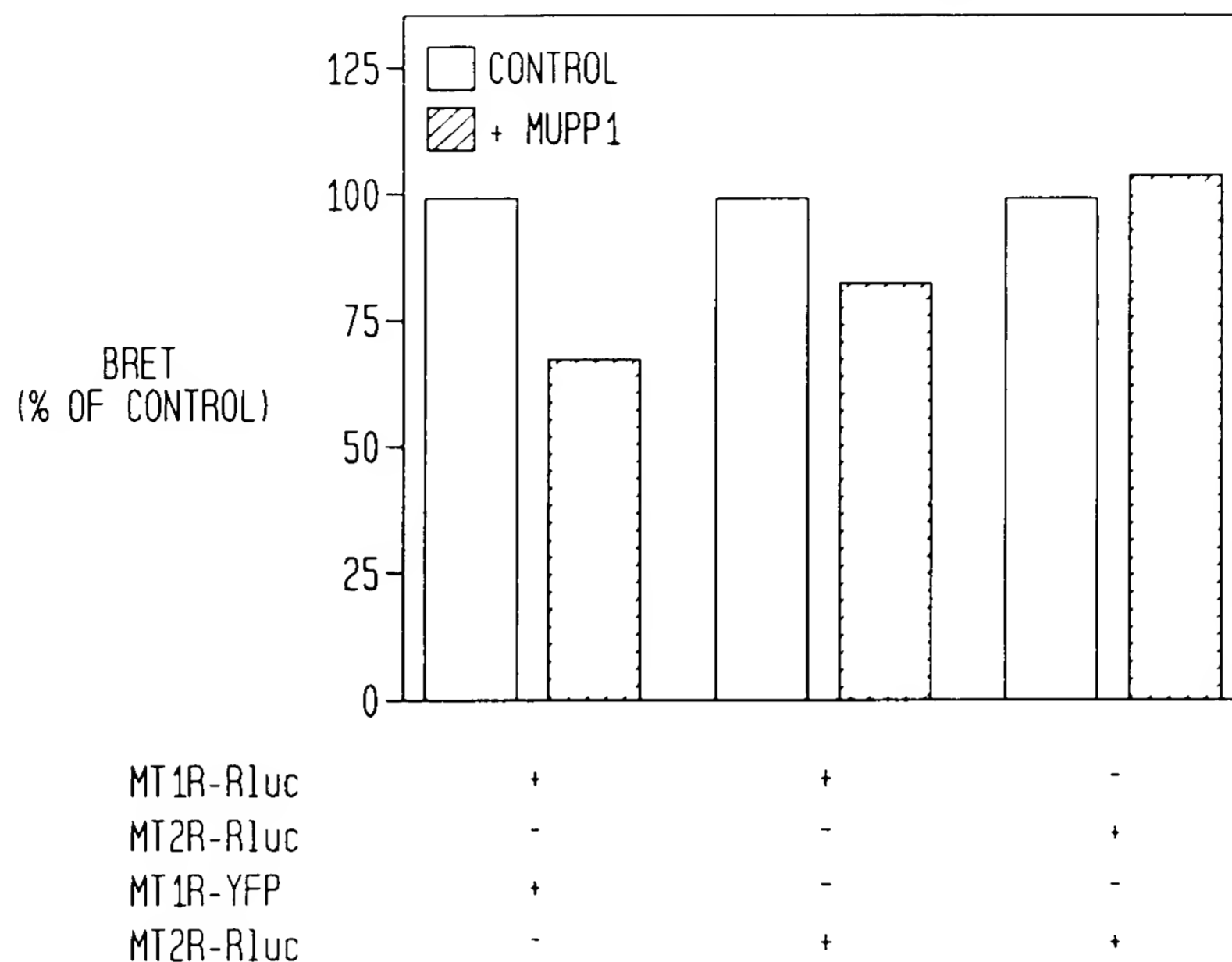
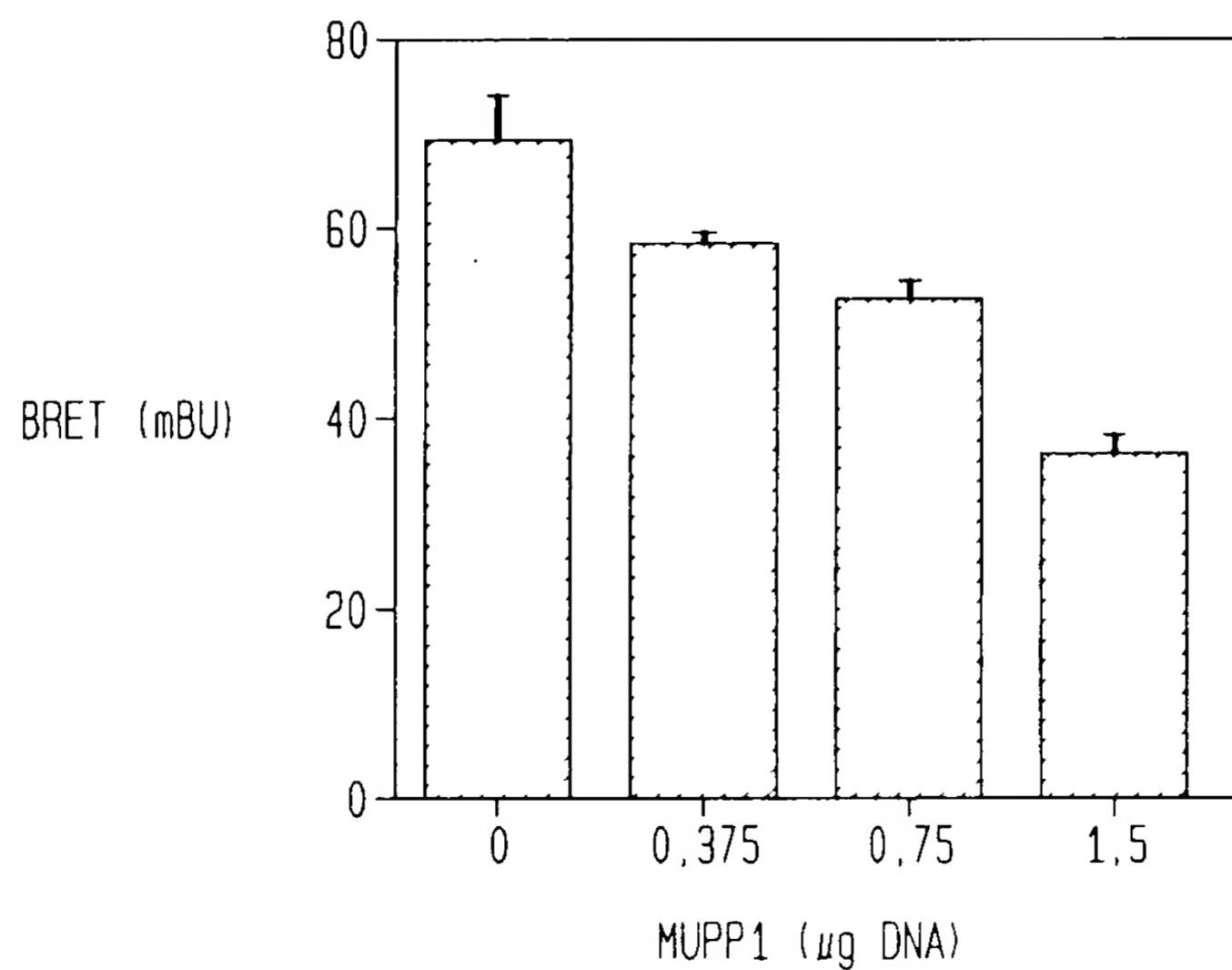


FIG. 18B

COMPETITION OF ENERGY TRANSFER BETWEEN MT1R-Rluc AND MT1R-YFP BY MUPP1





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FIG. 19

